

Goat anti-Mouse Reelin Polyclonal Antibody | anti-RELN antibody

Reelin

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA14708	Goat	Mouse	ELISA, Western Blot, Immunohistochemistry

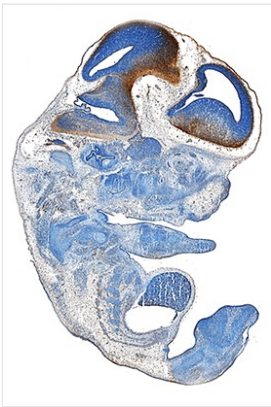
PRODUCT SYNONYMS

Reelin; Polyclonal Antibody; Anti -Reelin; anti-RELN antibody

PRODUCT SPECIFICATIONS

Host	Goat
Reactivity	Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	Recognizes mouse Reelin.
Purity/Purification	Affinity Purified Purified by immunoaffinity chromatography
Form/Format	Supplied as a lyophilized powder from PBS, pH 7.4, 5% trehalose. Reconstitute with 500ul sterile PBS.
Concentration	~0.2mg/mL (after reconstitution) (varies by lot)
Applicable Applications for anti-RELN antibody	ELISA, WB (Western Blot), IHC (Immunohistochemistry)
Application Notes	Suitable for use in Direct ELISA, Immunohistochemistry and Western Blot. Dilution: Immunohistochemistry: 5-15ug/ml stains immersion fixed frozen sections of mouse embryo. Western Blot: 0.1ug/ml stains recombinant mouse reelin.
Immunogen	Recombinant protein corresponding to aa27-862 of mouse Reelin expressed in NSO cells (Q60841).
Preparation and Storage	Lyophilized powder may be stored at -20 degree C. Stable for 12 months at -20 degree C. Reconstitute with sterile PBS. Aliquot to avoid repeated freezing and thawing. Store at -20 degree C. Reconstituted product is stable for 12 months at -20 degree C. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Further dilutions can be made in assay buffer.

IMAGES



IHC (Immunohistochemistry)
IHC staining of immersion-fixed frozen section of mouse embryo (13 d.p.c.) using AAA14708 at 1.7ug/ml, with overnight incubation at 4°C. HRP-conjugated anti-goat secondary antibody and DAB staining were used for visualization of Reelin which in this sample was localized to the developing brain. The tissue section was counterstained with hematoxylin (blue).

ADDITIONAL INFORMATION

Related Product Information for anti-RELN antibody	Reelin is a 400kD, extracellular matrix glycoprotein secreted by several neurons. It is a serine protease that degrades fibronectin and laminin. Reelin also binds lipoprotein receptor superfamily members APOER2 and VLDLR which transduce signals important for neuronal positioning during brain development and synaptic plasticity in the adult brain. In vivo, Reelin undergoes proteolytic processing at two sites, generating three Reelin fragments. The N-terminal domain binds integrin alpha3/beta1, leading to a disruption of neuronal glial cell interactions and inhibition of neuronal migration. Mouse Reelin shares 94% and 96% amino acid identity with human and rat Reelin, respectively in the region immunized.
Product Categories/Family for anti-RELN antibody	Antibodies; Abs to Extracellular Matrix Proteins

NCBI AND UNIPROT INFORMATION

NCBI GI #	21464487
NCBI GeneID	5649
UniProt Accession #	P78509; Q86UJ0; Q86UJ8; Q8NDV0; Q9UDQ2; A4D0P9; A4D0Q0; Q75MM8
NCBI Official Full Name	reelin
NCBI Official Synonym Full Names	reelin
NCBI Official Symbol	RELN
NCBI Official Synonym Symbols	RL; LIS2; PRO1598
NCBI Protein Information	reelin; OTTHUMP00000211830; OTTHUMP00000211831
UniProt Protein Name	Reelin
UniProt Gene Name	RELN
UniProt Entry Name	RELN_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.